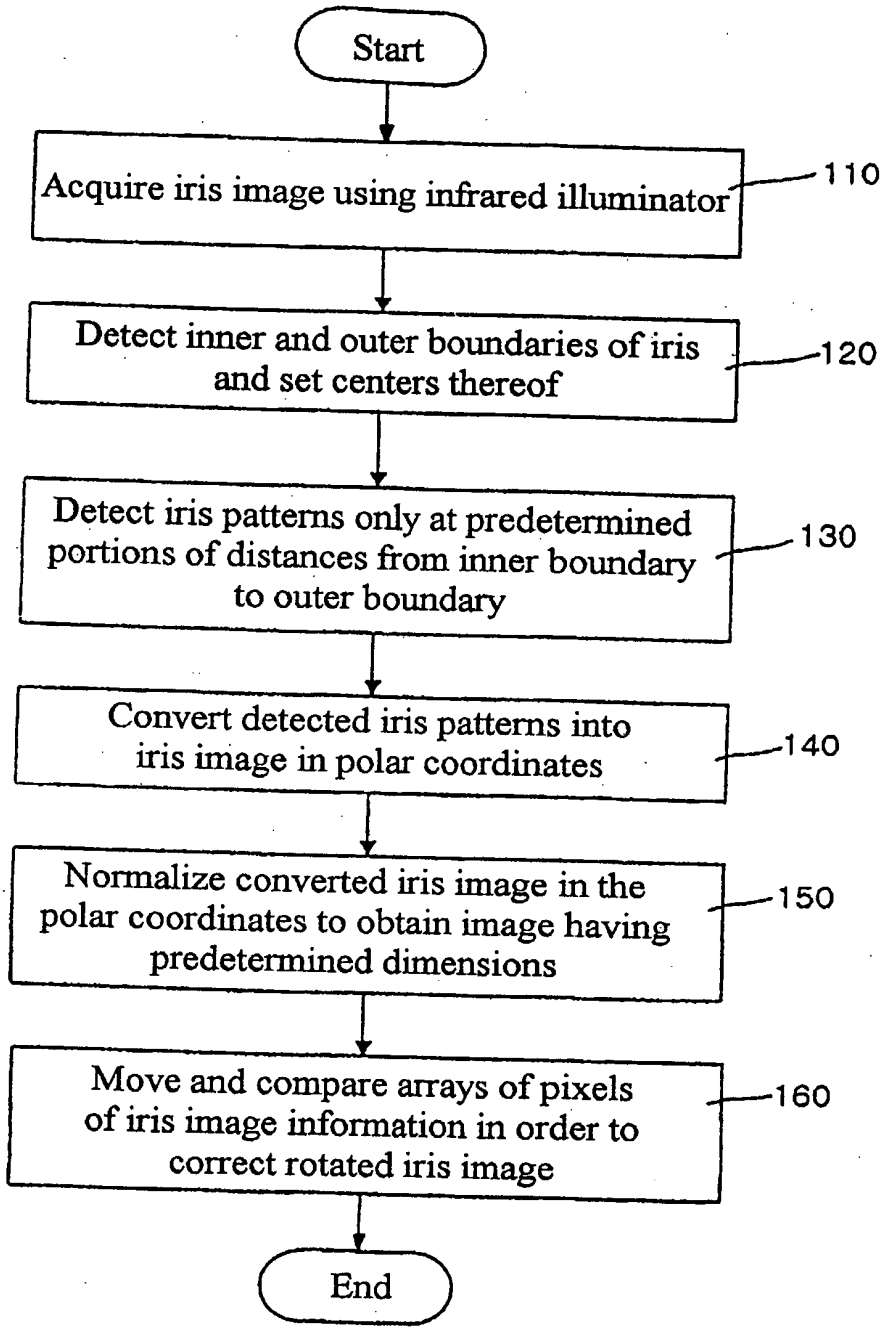

Start
Acquire iris image using infrared illuminator
110
Detect inner and outer boundaries of iris and set centers thereof
120
Detect iris patterns only at predetermined portions of distances from inner boundary to outer boundary
130
Convert detected iris patterns into iris image in polar coordinates
140
Normalize converted iris image in the polar coordinates to obtain image having predetermined dimensions
150
Move and compare arrays of pixels of iris image information in order to correct rotated iris image
160
End

Fig. 1

Fig. 2a

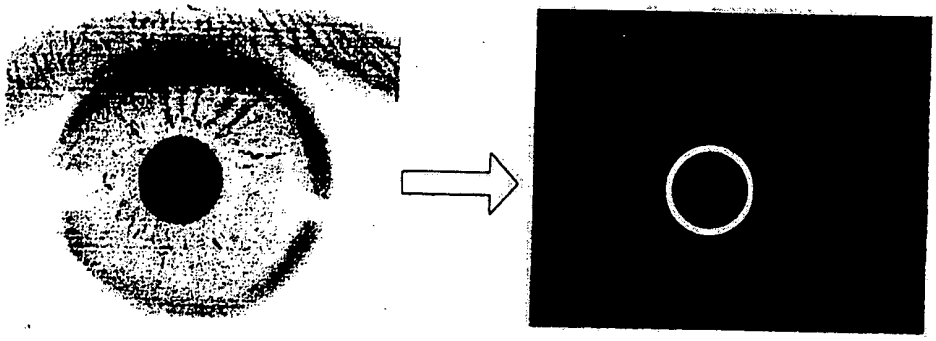


Fig. 2b

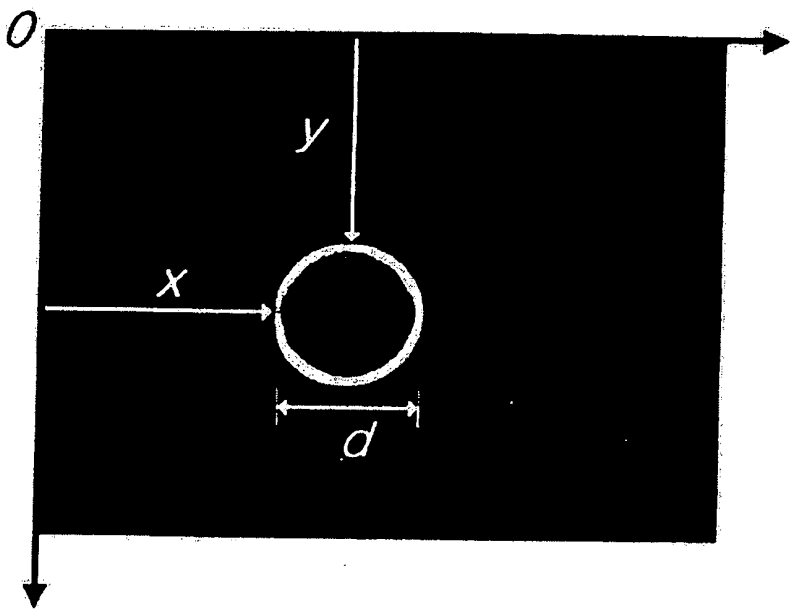


Fig. 2c

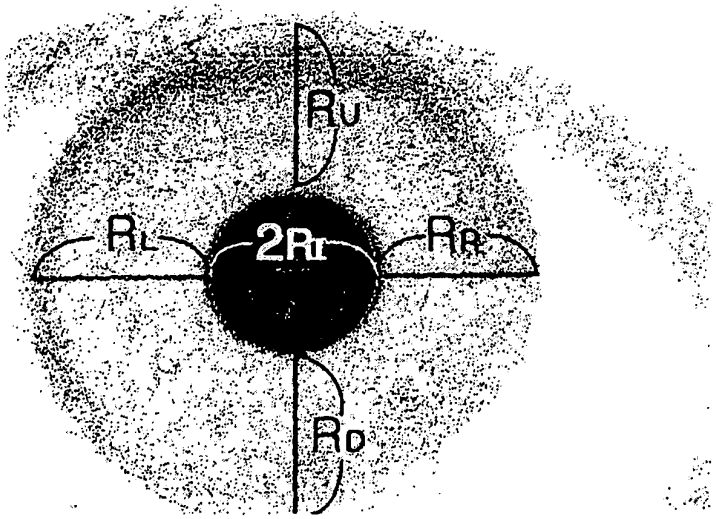


Fig. 3

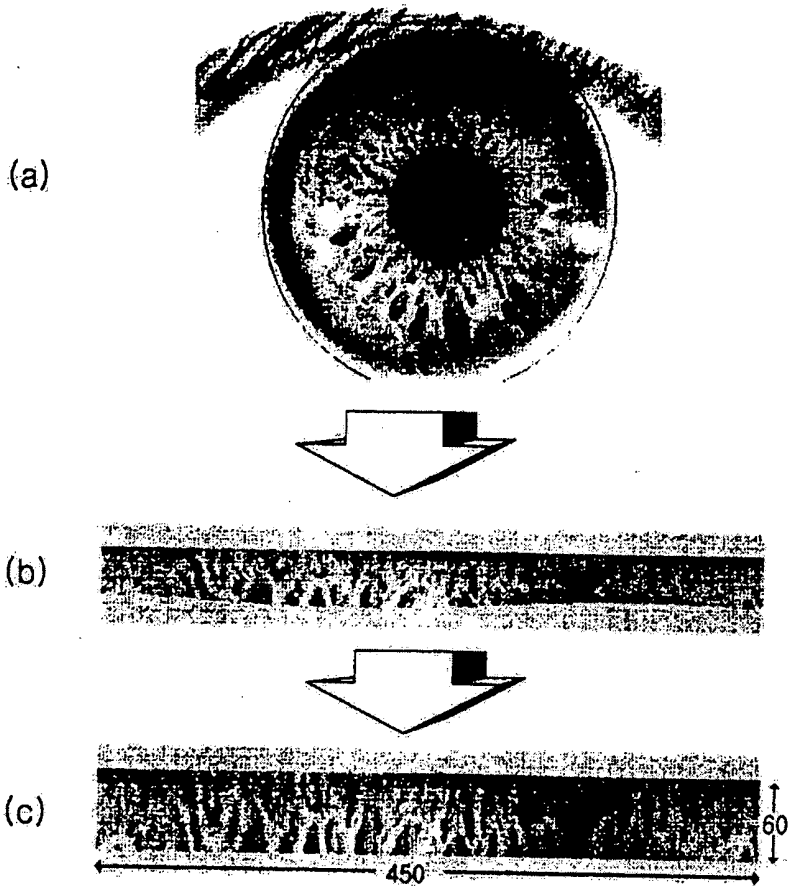
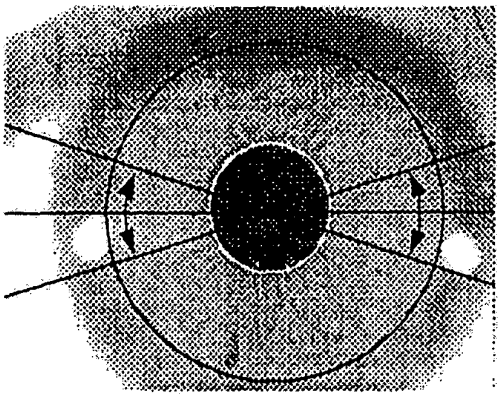
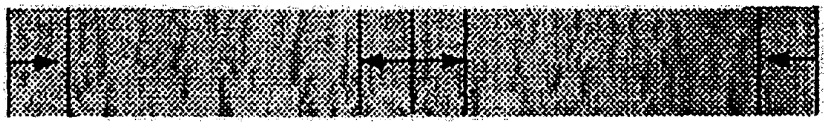


Fig. 4

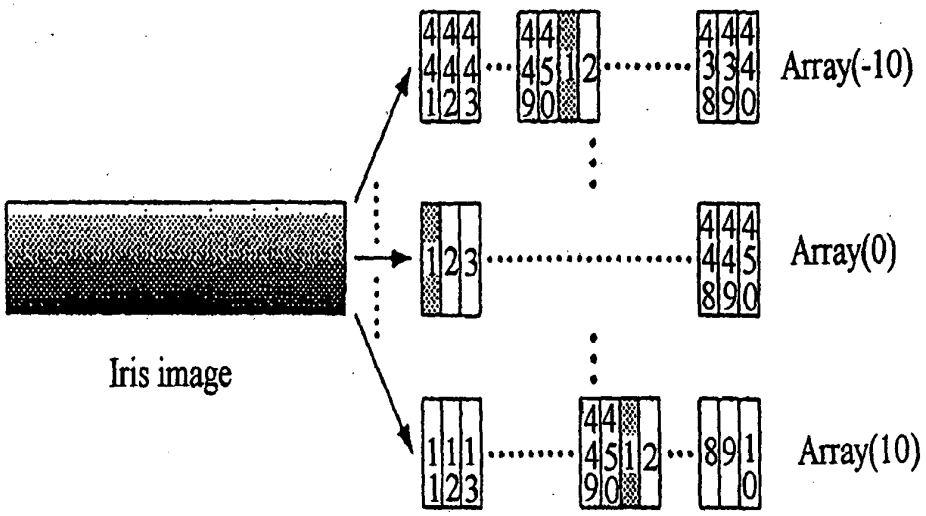
(a)



(b)



(a)


Array(-10)
Array(0)
Array(10)
Iris image

(b)

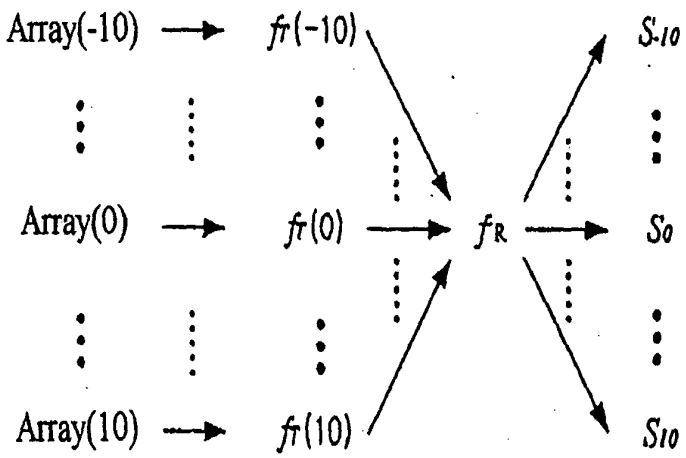

Array(-10)
Array(0)
Array(10)
fr(-10)
fr(0)
fr(10)
fR
S-10
S0
S10

Fig. 5